

Data Sheet

HPX High Purity Pressure Gauge

63 mm Dial Sizes

FEATURES

- 316L Stainless steel wetted parts
- Helium leak tested to 1×10^{-8} atm cc/s
- Cleaned in class 100 clean room
- Polyethylene-sealed

TYPICAL USES

- High purity gas delivery systems
- Gas sticks
- Process gas analyzers
- Bulk gas systems



HPX High Purity Pressure Gauge

63 mm dial size



SPECIFICATIONS

Accuracy:	±1.6% of span
Dial Sizes:	63 mm
Ranges:	Vacuum to 15 psi, vacuum to 300 psi 0 to 60 psi, 0 to 3,000 psi
Surface Finish:	Tube and fitting < 1.6 µm Ra
Process Connection:	G ¼ B Male, R ¼ Male, ¼ NPT Male, ¼ -18 UNF Male Connection (Compatible with ¼ VCR®)
Process Conn. Location:	Lower, lower back
Movement:	400 Stainless steel
Window Material:	Glass
Dial:	White face, aluminum
Pointer	Black, aluminum
Approvals:	RoHs
Weight:	Aprox. 200 g

WETTED COMPONENTS

Bourdon Tube	Gland/Socket	Joints
316L SS	316L SS	Argon Arc Welded

NON-WETTED COMPONENTS

Case	Ring
304 Stainless steel	304 Stainless steel

KEY BENEFITS

- Ultraclean design & packaging
- 100% Helium leak tested
- Serialized dial (7 digit)

MIN/MAX TEMPERATURE LIMITS

Ambient	Process	Storage
23 °F to 113 °F (-5 °C to 45 °C)	23 °F to 113 °F (-5 °C to 45 °C)	23 °F to 113 °F (-5 °C to 45 °C)

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ORDERING CODE	Example:	63	H	PXG	MVF	B	V/150#
Size							
63 - 63 mm		63					
Gauge Family							
H - High Purity Gauge			H				
Purity Level							
PXG - Class 100				PXG			
Process Connection							
MVF - Male $\frac{1}{16}$ -18 UNF (Compatible with $\frac{1}{4}$ VCR®)					MVF		
MGF - G $\frac{1}{4}$ B Male							
MRF - R $\frac{1}{4}$ Male							
MNF - $\frac{1}{4}$ NPT Male							
Process Connection Location							
L - Lower							
B - Back, lower back)						B	
Range							
# - PSI							
V/# - Inches of Mercury Vacuum and PSI							V/150#
BR - Bar							
KP - Kilopascals							
MP - Megapascals							

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STANDARD RANGES			
psi	bar	kPa	MPa
V/15#	N1/1BR	N100/100KP	NP1/P1MP
V/30#	N1/2BR	N100/200KP	NP1/P2MP
V/45#	N1/3BR	N100/300KP	NP1/P3MP
V/60#	N1/4BR	N100/400KP	NP1/P4MP
-	N1/6BR	N1/600KP	NP1/P6MP
V/150#	N1/10BR	N1/1000KP	NP1/1MP
V/200#	N1/15BR	N1/1500KP	NP1/1PMP
V/300#	N1/20BR	N1/2000KP	NP1/2MP
60#	4BR	400KP	P4MP
-	6BR	600KP	P6MP
100#	-	-	-
150#	10BR	1000KP	1MP
200#	-	-	-
-	16BR	1600KP	1P6MP
300#	-	-	-
-	25BR	2500KP	2P5MP
500#	-	-	-
600#	40BR	-	4MP
-	60BR	-	6MP
1000#	70BR	-	7MP
1500#	100BR	-	10MP
2000#	-	-	15MP
-	160BR	-	16MP
3000#	-	-	20MP
-	250BR	-	25MP

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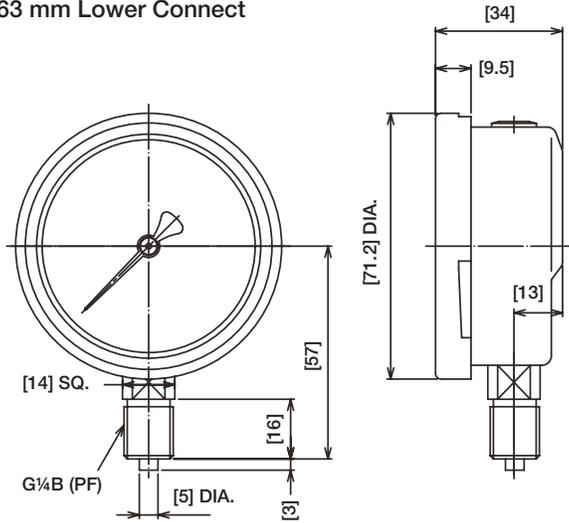
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63 mm Dial Sizes

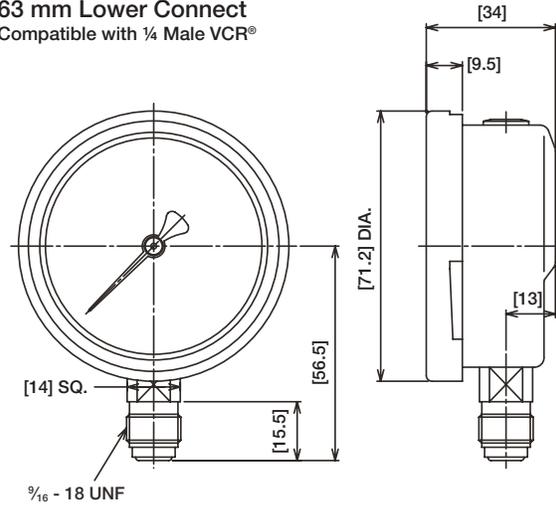
DIMENSIONS in millimeters

For reference only, consult Ashcroft for specific dimensional drawings

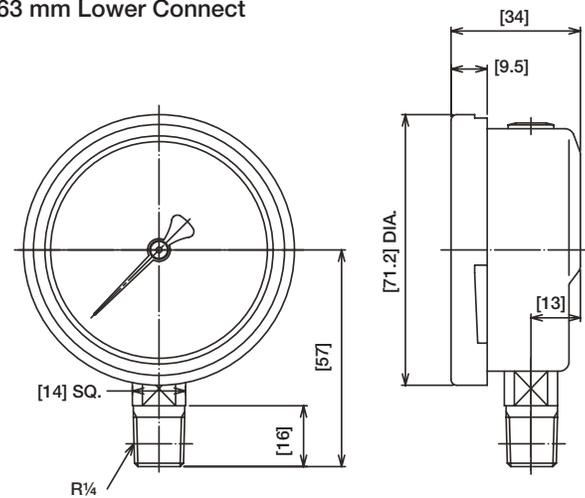
63 mm Lower Connect



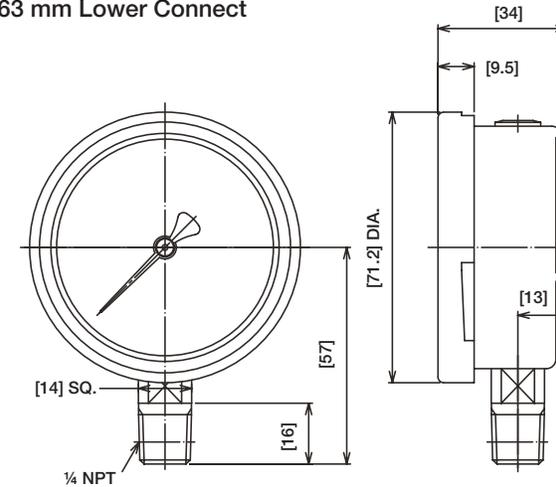
63 mm Lower Connect
Compatible with 1/4 Male VCR®



63 mm Lower Connect



63 mm Lower Connect



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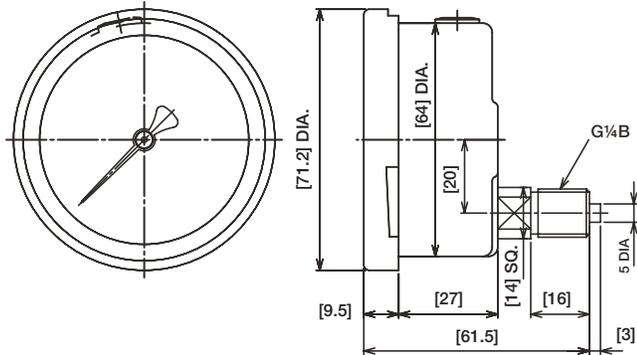
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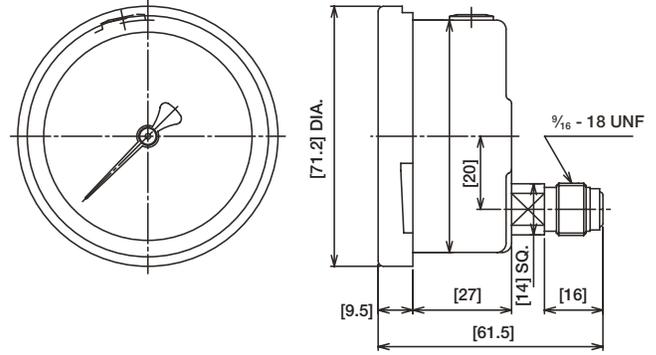
DIMENSIONS in millimeters

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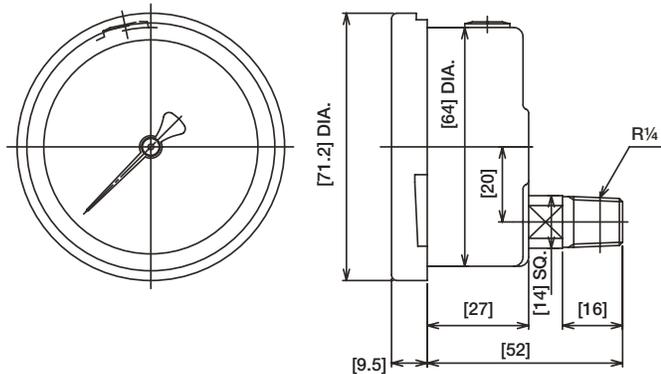
63mm Back Connect



63mm Back Connect
Compatible with $\frac{1}{4}$ Male VCR®



63mm Back Connect



63mm Back Connect

